



Water-Data Report 2008

12143900 BOXLEY CREEK NEAR EDGEWICK, WA

Puget Sound Basin
Snoqualmie Subbasin

LOCATION.--Lat 47°26'56", long 121°43'50" referenced to North American Datum of 1927, in SW ¼ SE ¼ NW ¼ sec.25, T.23 N., R.8 E., King County, WA, Hydrologic Unit 17110010, on right bank 4.0 mi southeast of North Bend, and at mile 0.9.

DRAINAGE AREA.--3.64 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1981 to current year.

REVISED RECORDS.--WDR WA-90-1: 1982 (M), 1988 (M).

GAGE.--Water-stage recorder. Elevation of gage is 650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Many small diversions for domestic use upstream from station. No regulation; flow is mostly seepage from Chester Morse Lake. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--27 years (water years 1982-2008), 41.7 ft³/s, 30,180 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 256 ft³/s, Dec. 3, 1995, gage height, 5.20 ft; minimum discharge, 8.3 ft³/s, Nov. 10, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 113 ft³/s, June 18, gage height, 4.65 ft; minimum discharge, 20 ft³/s, Apr. 26-28, May 6-13.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	33	24	22	32	35	26	22	22	77	95	73	45
2	32	24	23	33	35	25	22	21	78	95	71	e45
3	28	24	45	35	33	25	22	21	81	97	71	e41
4	27	24	38	34	32	26	22	21	83	97	71	e42
5	25	24	33	34	35	24	22	21	84	97	70	41
6	25	24	31	33	35	24	22	21	83	97	69	41
7	27	24	29	33	36	24	23	21	84	98	70	40
8	26	24	29	34	39	24	22	21	84	97	70	39
9	25	24	28	34	50	23	22	21	84	98	70	39
10	24	25	27	36	51	23	22	21	85	98	69	37
11	24	24	27	35	41	23	22	21	85	99	67	37
12	24	24	27	36	35	23	22	21	85	98	66	33
13	24	24	28	36	28	23	22	21	89	97	62	30
14	24	24	27	36	29	24	22	22	92	94	60	32
15	24	24	28	36	29	23	22	21	94	92	57	32
16	24	25	27	37	28	24	22	21	96	90	54	31
17	24	24	27	37	28	24	22	21	98	88	54	31
18	23	24	29	36	27	24	22	21	98	86	52	29
19	24	24	31	36	28	23	22	22	97	85	51	32
20	25	23	32	36	27	23	22	22	97	83	53	33
21	24	23	31	36	27	23	22	23	97	82	50	33
22	24	23	33	36	25	22	22	24	99	81	47	28
23	24	23	35	35	25	24	21	26	97	80	47	30
24	24	23	35	34	25	23	22	27	98	78	48	33
25	24	23	35	34	24	22	21	48	98	77	48	30
26	24	23	35	34	24	23	21	62	97	76	49	28
27	24	23	34	34	24	22	21	72	96	75	48	28
28	23	22	34	33	24	22	21	82	96	74	49	30
29	24	22	34	34	25	22	21	82	95	74	48	30
30	24	22	33	33	---	23	22	80	95	74	46	27
31	24	---	32	36	---	23	---	83	---	73	46	---
Total	775	708	959	1,078	904	727	655	1,033	2,722	2,725	1,806	1,027
Mean	25.0	23.6	30.9	34.8	31.2	23.5	21.8	33.3	90.7	87.9	58.3	34.2
Max	33	25	45	37	51	26	23	83	99	99	73	45
Min	23	22	22	32	24	22	21	21	77	73	46	27
Ac-ft	1,540	1,400	1,900	2,140	1,790	1,440	1,300	2,050	5,400	5,410	3,580	2,040
Cfsm	6.87	6.48	8.50	9.55	8.56	6.44	6.00	9.15	24.9	24.1	16.0	9.40
In.	7.92	7.24	9.80	11.02	9.24	7.43	6.69	10.56	27.82	27.85	18.46	10.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	21.1	24.6	35.0	38.0	43.5	42.2	42.3	52.4	70.0	61.1	41.6	28.1
Max	33.9	62.4	121	65.0	93.1	114	85.7	113	106	108	76.9	42.0
(WY)	(1991)	(1991)	(1991)	(1991)	(1996)	(1982)	(1988)	(1988)	(1993)	(1993)	(1993)	(1997)
Min	11.0	11.9	12.9	11.4	15.0	13.0	13.6	20.9	29.8	22.9	16.4	12.2
(WY)	(1988)	(1988)	(1988)	(1988)	(1988)	(2001)	(2001)	(1999)	(1992)	(1992)	(1992)	(1987)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1982 - 2008	
Annual total	16,663		15,119			
Annual mean	45.7		41.3		41.7	
Highest annual mean					66.6	1991
Lowest annual mean					28.1	1992
Highest daily mean	91	Jun 16	99	Jun 22	247	Dec 4, 1995
Lowest daily mean	22	Nov 28	21	Apr 23	8.6	Nov 10, 1986
Annual seven-day minimum	22	Nov 25	21	May 2	10	Jan 2, 1988
Annual runoff (ac-ft)	33,050		29,990		30,180	
Annual runoff (cfsm)	12.5		11.3		11.4	
Annual runoff (inches)	170.29		154.51		155.49	
10 percent exceeds	74		85		75	
50 percent exceeds	38		30		35	
90 percent exceeds	24		22		18	

